

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

(Use as many sheets as necessary)

**SHEET 1 of 3**

Application Number	10/524,550
Filing Date	Herewith
First Named Inventor	William Patrick Hems
Art Unit	1626
Examiner Name	Joseph Kosack
Attorney Docket No.	JMYS-122US

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)				
JK	2	WO-02/066159-A1	08-29-2002	Imperial Chemical Industries PLC		<input type="checkbox"/>
JK	3	WO-01/44153	06-21-2001	Rhodia Polyamide Intermediates		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature	/Joseph Kosack/	Date Considered	09/11/2006
-----------------------	-----------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Substitute for Form 1449B/PTO</b>		<b>Complete if Known</b>	
	Application Number	10/524,550		
	Filing Date	Herewith		
	First Named Inventor	William Patrick Hems		
	Art Unit	1 6 2 6		
	Examiner Name	Joseph Kosack		
<b>SHEET 2 of 3</b>		Attorney Docket No.	JMYS-122US	

NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
JK	4	FABIENNE FACHE et al., "Nitrogen-Containing Ligands for Asymmetric Homogeneous and Heterogeneous Catalysis," <i>Chem. Rev.</i> , 2000, Vol. 100, pp. 2159-2231.	<input type="checkbox"/>	
JK	5	CHRISTIAN BUBERT et al., "Synthesis of water-soluble aminosulfonamide ligands and their application in enantioselective transfer hydrogenation," <i>Tetrahedron Letters</i> , Vol. 42, 2000, pp. 4037-4039.	<input type="checkbox"/>	
JK	6	DANIEL J. BAYSTON et al., "Synthesis and evaluation of a chiral heterogeneous transfer hydrogenation catalyst," <i>Tetrahedron: Asymmetry</i> , Vol. 9, 1998, pp. 2015-2018.	<input type="checkbox"/>	
JK	7	R. TER HALLE et al., "Heterogeneous Enantioselective Catalytic Reduction of Ketones," <i>Synlett</i> , November 1997, pp. 1257-1258.	<input type="checkbox"/>	
JK	8	CHOONG EUI SONG et al., "Heterogeneous asymmetric epoxidation of alkenes catalysed by a polymer-bound (pyrrolidine salen)manganese(III) complex," <i>Chemical Communications</i> , No. 7, 2000, pp. 615-616.	<input type="checkbox"/>	
JK	9	FRANCA BIGI et al., "Heterogeneous enantioselective epoxidation of olefins catalysed by unsymmetrical (salen)Mn(III) complexes supported on amorphous or MCM-41 silica through a new triazine-based linker," <i>Chemical Communications</i> , No. 7, 2002, pp. 716-717.	<input type="checkbox"/>	
JK	10	D. ALLEN et al., "Polymer-Supported Chiral Co(Salen) Complexes: Synthetic Applications and Mechanic Investigations in the Hydrolytic Kinetic Resolution of Terminal Epoxides," <i>J. Am. Chem. Soc.</i> , 1999, Vol. 121, pp. 4147-4154.	<input type="checkbox"/>	
JK	12	AUGUSTIN ADIMA et al., "Chiral organic-inorganic solids as enantioselective catalytic materials," <i>J. Mater. Chem.</i> , 1997, Vol. 7, No. 12, pp. 2331-2333.	<input type="checkbox"/>	
JK	13	A. FERRAND et al., "Hydrophilic diamine ligands for catalytic asymmetric hydrogenation of C=O bonds," <i>Tetrahedron: Asymmetry</i> , Vol. 13, 2002, pp. 1379-1384.	<input type="checkbox"/>	
JK	14	WALTER S. IDE et al., <i>Organic Reactions</i> , Vol. IV (Wiley, New York, US, 1948), Chapter 5: The Synthesis of Benzoin, pp. 269-304.	<input type="checkbox"/>	
JK	15	Abstract: TING-YOU LI et al., "Studies on the stereoselectivity of pinacol coupling reaction mediated by TiCl <sub>4</sub> -MG," <i>Gaodeng Jiaoyu Chubanshe</i> , 2000, Vol. 21, No. 9, pp. 1391-1394.	<input type="checkbox"/>	
JK	16	Abstract: HANS JOERG SCHNEIDER et al., "1,2 - diaminoethane derivatives as scissors shaped allosteric receptors," <i>Journal of the Chemical Society, Chemical Communications</i> , Vol. 6, 1992, pp. 490-491.	<input type="checkbox"/>	
JK	17	Abstract: CEMIL OGRETIR et al., "Reaction of 3,4-diformyl-2,5-dimethylpyrrole with 1,2-(substituted) diphenyl - 1,2 - diaminoethanes," <i>Turkish Journal of Chemistry</i> , Vol. 22, No. 2, pp. 137-142.	<input type="checkbox"/>	

Examiner Signature	/Joseph Kosack/	Date Considered	09/11/2006
--------------------	-----------------	-----------------	------------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup> Applicant's unique citation designation number (optional).

<sup>2</sup> Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/524,550
Filing Date	Herewith
First Named Inventor	William Patrick Hems
Art Unit	1626
Examiner Name	Joseph Kosack
Attorney Docket No.	JMYS-122US

SHEET 3 of 3

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
JK	18	JOHANN KARL et al., "Ring-Substituted [1,2-Bis(4-hydroxyphenyl)ethylenediamine]dichloroplatinum(II) Complexes: Compounds with a Selective Effect on the Hormone Dependent Mammary Carcinoma," <i>J. Med. Chem.</i> , Vol. 31, 1988, pp. 72-83.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner  
Signature

/Joseph Kosack/

Date  
Considered

09/11/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.